

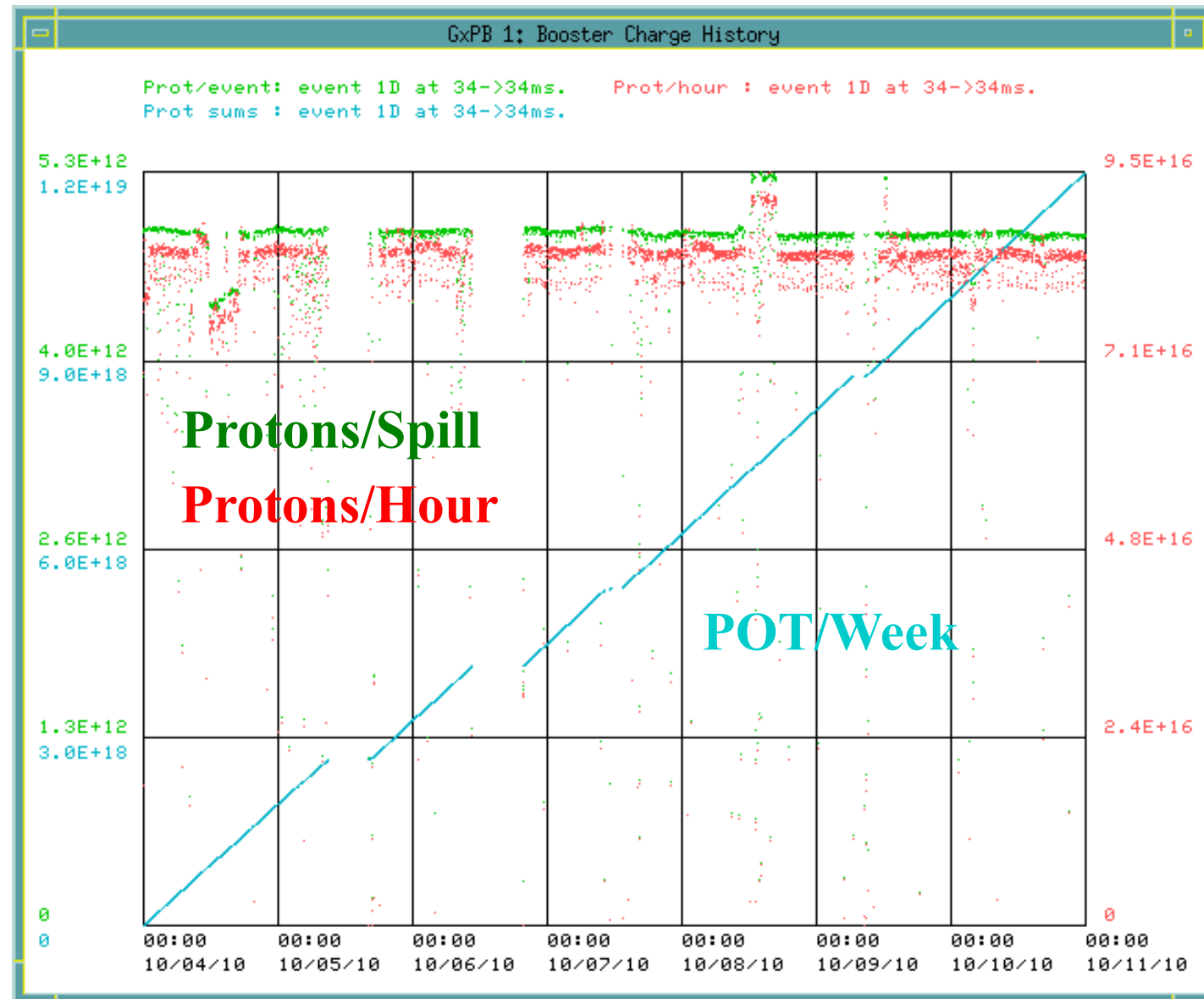
# MiniBooNE Report

Warren Huelsnitz  
Los Alamos National Laboratory  
for the MiniBooNE collaboration

11 October 2010

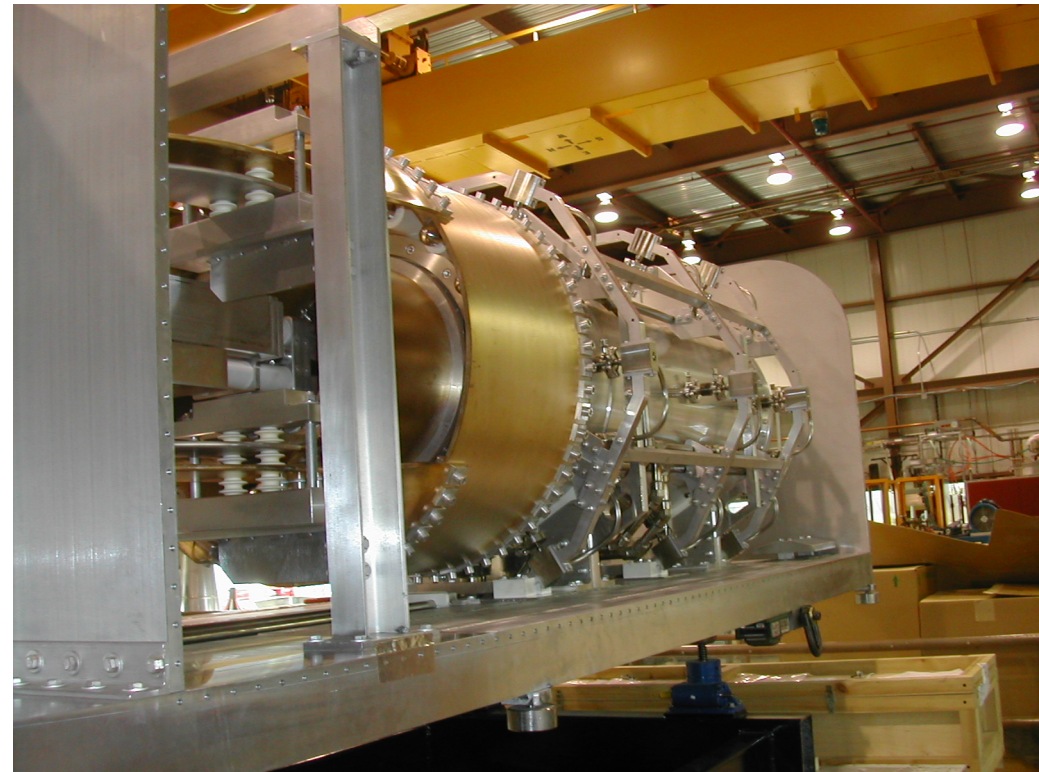
# Beam summary 10/03/10 - 10/10/10

- Beam downtime:
  - MI maintenance
    - ~7 hrs (10/05)  
(also checked RAW system)
    - ~9 hrs (10/06)
  - Horn tripped on ground fault
    - ~2.5 hrs (10/07)
  - LINAC maintenance
    - ~1.5 hrs (10/09)

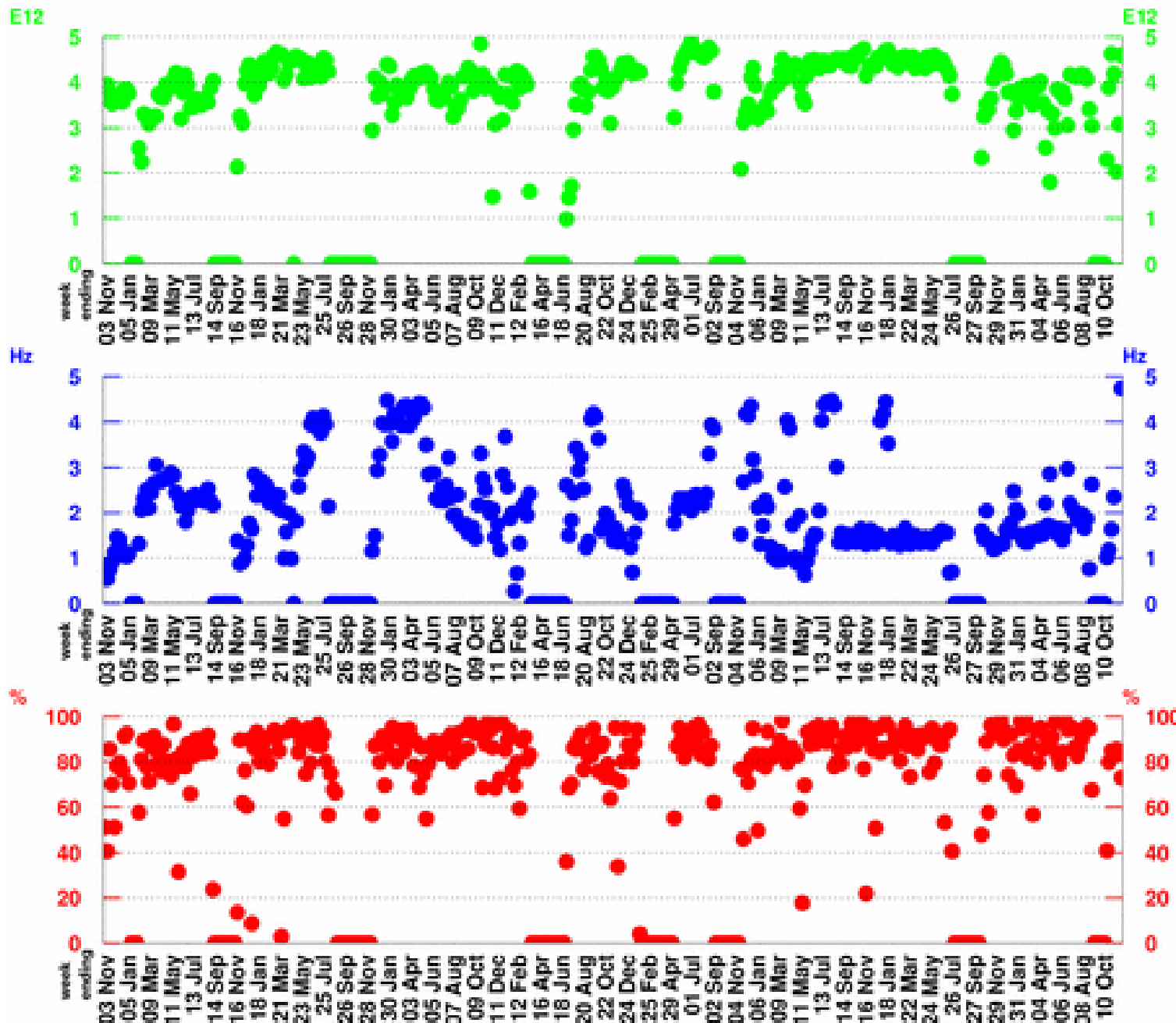


# MiniBooNE Horn Showing Signs of Age

- 6 years, ~275 million pulses
- RAW system leak rate currently ~1.5 gpd
- Ground fault trips last week
- Evaluating physics case for running in horn-off mode
- Likely will need to replace horn soon



# 10/03/10 - 10/10/10



## POT per Horn Pulse

Largest week: 4.89 E12

Latest week: 4.61 E12

## Horn Rate

(for time periods with beam)

Largest week: 10.33 Hz

Latest week: 4.74 Hz

## Beam Uptime Fraction

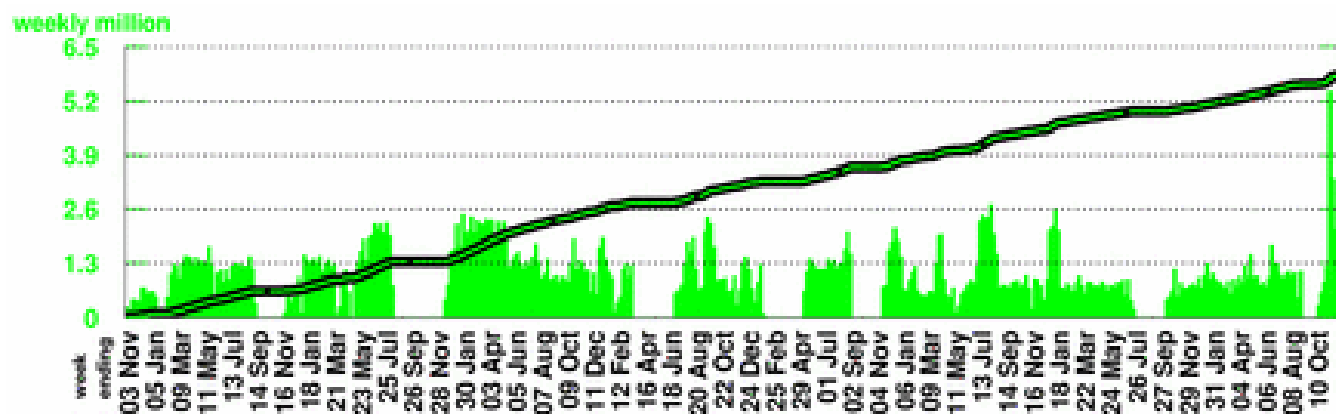
(fraction of time with beam)

Largest week: 98.9 %

Latest week: 73 %

Does not yet include 1 day of runs (data processing issue, no data lost) [actual ~ 88 %]

# 10/03/10 - 10/10/10

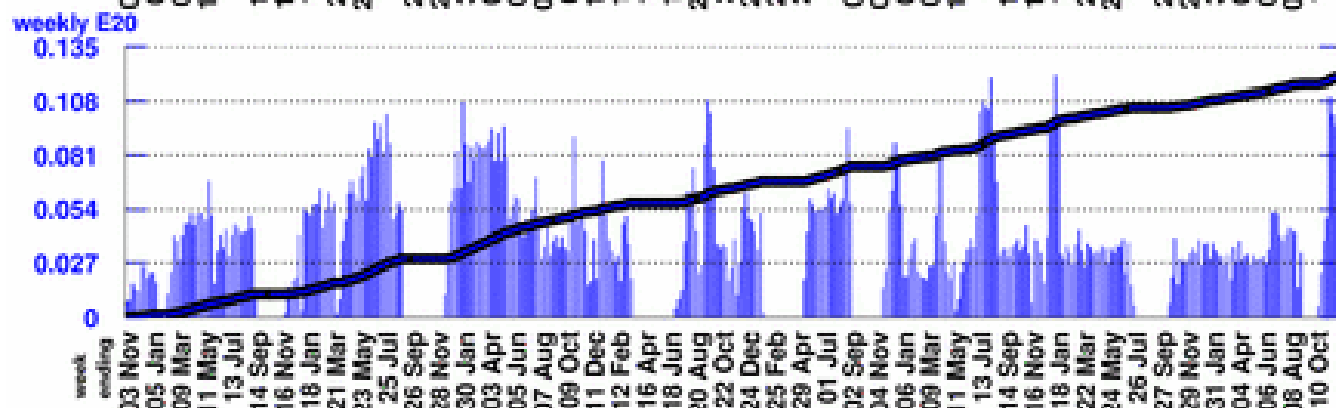


## Number of Horn Pulses

To date: 371.59 million

Largest week: 5.41 million

Latest week: 2.08 million



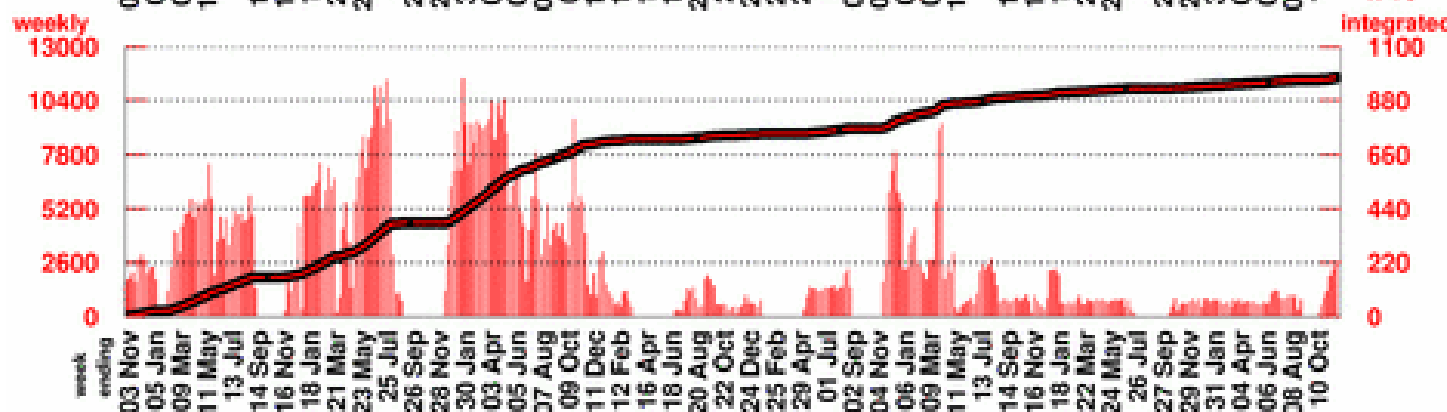
## Number of Protons on Target

To date: 15.1161 E20

Largest week: 0.1208 E20

Latest week: 0.096 E20

Does not yet include 1 day of runs (data merging issue, no data lost) [actual ~0.12 E20]



## Number of Neutrino Events

To date: 973966

Largest week: 11447

Latest week: 2548

# AntiNeutrinos/POT unofficial

